

ORDINANCE NO. _____

An ordinance amending Title 27 - Electrical Code of the Los Angeles County Code by adopting portions of the 2013 California Electrical Code, by reference, with certain changes and modifications, and making other revisions thereto.

The Board of Supervisors of the County of Los Angeles ordains as follows:

SECTION 1. Sections 89.102 through 89.114 of Article 89, Article 90, Chapters 1 through 9, including Section 690.19, and Annexes A, B, C, D, E, F, G, and H which incorporate by reference and modify portions of the 2010 California Electrical Code, are hereby repealed.

SECTION 2. Section 80.1.5 is hereby amended to read as follows:

Sec. 80.1.5. California Electrical Code (CEC) Adoption by Reference.

Except as hereinafter changed or modified, Sections 89.102 through 89.114 of Article 89, Article 90, Chapters 1 through 9, and Annexes A, B, C, D, E, F, G, ~~and H~~ and I of that certain Electrical code known and designated as the ~~2010~~2013 California Electrical Code as published by the California Building Standards Commission are adopted by reference and incorporated into this Title 27 of the Los Angeles County Code as if fully set forth below, as Sections 89.102 through 89.114 of Article 89, Article 90, Chapters 1 through 9, and Annexes A, B, C, D, E, F, G, ~~and H~~ and I of Title 27 of the Los Angeles County Code.

A copy of the ~~2010~~2013 California Electrical Code, hereinafter referred to as the CEC shall be at all times maintained by the Chief Electrical Inspector for use and examination by the public.

SECTION 3. Section 83.3 is hereby amended to read as follows:

83.3. Alternate Materials and Methods of Construction and Modifications.

83.3.1. Alternate Materials and Methods of Construction

The provisions of this Code are not intended to prevent the use of any material, appliance, installation, device, arrangement method, design, or method of construction not specifically prescribed by this Code, provided any such alternate has been approved by the Chief Electrical Inspector.

The Chief Electrical Inspector may approve on a case-by-case basis any such alternate that is found to be satisfactory and does not lessen provisions for safety or health required by this Code.

Such approval shall be based upon submittal of substantiating data and including, but not limited to, performance characteristics, measurements, calculations, diagrams, equipment and construction factors, where applicable.

83.3.2 Modifications

Whenever there are practical difficulties involved in carrying out the provisions of this code, the Chief Electrical Inspector may grant minor modifications on a case by case basis, provided the Chief Electrical Inspector shall first find that a special individual reason makes the strict letter of this code impractical and that the modification is in reasonable conformity with the spirit and purpose of this code and that such modification does not lessen any health, fire-protection, or other life-safety related requirements. The details of any action granting modifications shall be recorded and entered in the files of the code enforcement agency.

SECTION 4. Section 83.7 is hereby amended to read as follows:

Sec. 83.7. Electrical Testing Certifications

Electrical testing certifications will be accepted as complying with the requirements of this Code only when such certifications are issued in accordance with this Code and nationally recognized standards by electrical testing laboratories which have been accredited by the Chief Electrical Inspector.

The Chief Electrical Inspector recognizes three types of electrical testing laboratories:

- Nationally Recognized Testing Laboratories;
- Field Evaluation Organization Laboratories; and
- Calibration and startup Laboratories.

SECTION 5. Section 83.8 is hereby amended to read as follows:

Sec. 83.8. Accreditation of Electrical Testing Laboratories

(a) Nationally Recognized Testing Laboratories. A Nationally Recognized Testing Laboratory (NRTL) accreditation issued by the United States Occupational Safety and Health Administration is accepted by the Chief Electrical Inspector as meeting the accreditation requirements of this Code for listing and labeling testing laboratories.

(b) Field Evaluation Organization Laboratories. Field Evaluation Organizations laboratories ~~shall must apply to and shall be~~ a Nationally Recognized Testing Laboratory (NRTL) which received its accreditation from the United States Occupational Safety and Health Administration and must apply to and be approved by the Chief Electrical Inspector to perform field evaluation on required electrical equipment. These laboratories must have a

professional electrical engineer registered in California pursuant to the Professional Engineer's Act (California Business and Professions Code section 6700, et seq.) on their permanent full-time staff. For each individual project, a~~The test reports shall be submitted for approval by the Chief Electrical Inspector and it shall bear the professional electrical engineer's signature as required by the State of California Regulations.~~

(c) Calibration and Startup Laboratories. Calibration and startup laboratories must apply to and be approved by the Chief Electrical Inspector. These laboratories must have a professional electrical engineer registered in California pursuant to the Professional Engineer's Act (California Business and Professions Code section 6700, et seq.) on their permanent full-time staff.

SECTION 6. Section 690.19 is hereby added to Article 690 to read as follows:

Sec. 690.19 Disconnecting Means for Multiple Arrays.

Where more than one array is combined to form a single output, a disconnecting means rated for the output shall be installed immediately adjacent to the combiner box on the output side.

EXCEPTION 1: If the combiner box is located adjacent to the inverter(s), the disconnecting means as stated above shall not be required.

EXCEPTION 2: For a single-family dwelling with PV system rated up to 10 KW.